

19980317.qrp v01_n032.qrs.980317

Date: Tue, 17 Mar 1998 19:03:22 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1032

QRP-L Digest 1032

Topics covered in this issue include:

- 1) [6165] Re: Discussion - what validates a QSO?
by Bruce Muscolino <w6toy@pop.erols.com>
- 2) [6166] Re: Elmer101: Solid state design
by Bruce Muscolino <w6toy@pop.erols.com>
- 3) [6167] K8FF Paddle Contacts
by doug hauff <slmachco@fix.net>
- 4) [6168] Re: Pi Nets
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
- 5) [6169] Elmer 101: Oscilloscope Tutorial
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 6) [6170] Norcal paddle contacts
by flydnq7x@primenet.com (Floyd Smithberg)
- 7) [6171] ZM-2 Boo-Boo
by dave_epps@juno.com
- 8) [6172] ZM-2 Problem Solved!
by chunt@macromedia.com (Christian Hunt)
- 9) [6173] FCC LICENSE PLAQUES
by "duane" <duane@flinet.com>
- 10) [6174] Antennas West
by dave_epps@juno.com
- 11) [6175] Re: Antennas West
by DYARNES <DYARNES@aol.com>
- 12) [6176] This is ONLY a test...
by DENNIS MO <DENNISMO@aol.com>
- 13) [6177] Re: ZM-2 Problem Solved!
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 14) [6178] Solar Reports - tn timer
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 15) [6179] Re: The Balanced Ham
by Bruce Muscolino <w6toy@pop.erols.com>
- 16) [6180] Re: Elmer101: Solid state design
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 17) [6181] Double your memory, double your fun!
by Charles Olson <jacksonharbor@worldnet.att.net>
- 18) [6182] SMite Technical Results from KL7IKX
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
- 19) [6183] re: No Sound Using Super Morse

- by Chuck and Michele Snyder <csnyder@nextdim.com>
- 20) [6184] QRPers in Allentown, Pa.
by n4js@pobox.com (John Sielke)
- 21) [6185] High speed CW again
by ea8yu Goran <rodriguez@jet.es>
- 22) [6186] Crystal sets
by "Brian Jones" <brian_jones@uk.ibm.com>
- 23) [6187] [Fwd: [Mobile/Portable] Tuning the screwdriver]
by Jess Gypin <jessqrp@concentric.net>
- 24) [6188] Re: The Balanced Ham
by John Evans - N0HJ <jae@codenet.net>
- 25) [6189] Re: The Balanced Ham
by "Ray Lowe" <wd5dhk@hotmail.com>
- 26) [6190] FT-757 for sale (can QRP)
by Bruce Grubbs <bog@flagstaff.az.us>
- 27) [6191] Dipole wire advice needed
by Michael Maiorana <mikemo@ibm.net>
- 28) [6192] Anyone used Liquid Rubber vs. epoxy for center dipole insulator?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 29) [6193] Tuna Tin 2 pwr oppps
by JkHampton <JkHampton@aol.com>
- 30) [6194] Re: Anyone used Liquid Rubber vs. epoxy for center dipole insulator?
by launerb@crl.com (William H. Launer)
- 31) [6195] IC-706 CW filters/Goofy CW
by David Ek <ekdave@earthlink.net>
- 32) [6196] re: No Sound Using Super Morse
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 33) [6197] SST unwanted sideband rejection
by tshilhanek@JUNO.COM
- 34) [6198] Mar 5, NYT article source
by "William B. Keane" <bkeane@mail1.nai.net>
- 35) [6199] Re: Dipole wire advice needed
by launerb@crl.com (William H. Launer)
- 36) [6200] Re: IC-706 CW filters/Goofy CW
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 37) [6201] Fox Tonight and Biggest UTC Screwup to Date!
by "James R. Duffey" <jr3m@maxwell.com>
- 38) [6202] low power thru my kit...
by kd4zkw <kd4zkw@amsat.org>
- 39) [6203] RE: Antennas West
by wa5whn@juno.com
- 40) [6204] Re: Dipole wire advice needed
by LYN WILLIAMS <designserv@ipass.net>
- 41) [6205] dead band DX
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 42) [6206] Re: Solar Reports - tn timer
by Ken Lopez <kjlopez@earthlink.net>
- 43) [6207] Re[2]: Solar Reports - tn timer

by kreinbd@ccgate.dl.nec.com (David Kreinberg)

44) [6208] Re: Re[2]: Solar Reports - tn timer
by "Michael A. Gipe" <mgipe@reliablemeters.com>

45) [6209] G4ZPY mini-paddles - how small?
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>

46) [6210] Re: G4ZPY mini-paddles - how small?
by Paul Erickson <paul1@wizard.ucl.sfu.ca>

47) [6211] Re: IC-706 CW filters/Goofy CW
by Bob Patten <n4bp@bc.seflin.org>

48) [6212] Antenna
by Tellefsen Bob-CNSE97 <cncse97@lmpsil02.comm.mot.com>

49) [6213] mobile antenna/swap
by RangerSF5 <RangerSF5@aol.com>

50) [6214] Should I trade up?
by eakwik@mail.hac.com

51) [6215] Re: The Balanced Ham
by Bill Myers <bmyers@arc.net>

52) [6216] small key
by "mike newbold" <newbold@cmn.net>

53) [6217] Ant polarity
by Tellefsen Bob-CNSE97 <cncse97@lmpsil02.comm.mot.com>

54) [6218] NorCal paddle
by Tellefsen Bob-CNSE97 <cncse97@lmpsil02.comm.mot.com>

55) [6219] RE: Ant polarity
by Kevin Muenzler <wb5rue@stic.net>

56) [6220] Re: Anyone used Liquid Rubber vs. epoxy for center dipole insulator?
by jeverhar@camden.lmco.com

57) [6221] IC706 Converters/Software - What I found (LONG)
by Tim Ahrens <tahrens@inetport.com>

58) [6222] MFJ DSP FILTER
by EBikales <EBikales@aol.com>

59) [6223] IC706MK II Observations (long)
by Tim Ahrens <tahrens@inetport.com>

60) [6224] Ramsey info needed
by tom whalen <whalen@swcp.com>

61) [6225] Re: IC-706 CW filters/Goofy CW
by "Frank Emens" <femens@advicom.net>

62) [6226] QSB, what to NOT do in a QSO
by gregoire@endor.com

63) [6227] SG-2020 Delivery Schedule Delayed, AGAIN!!!
by AC6JA <AC6JA@aol.com>

64) [6228] Re: QSB, what to NOT do in a QSO
by "Harvey D. D. Hetland" <n6mm@earthlink.net>

65) [6229] 4/98 QST QRP trivia
by jmbrown@edge.net (JERRY BROWN)

66) [6230] Re: SG-2020 Delivery Schedule Delayed, AGAIN!!!
by "Robert P. Okas" <vintage@best.com>

67) [6231] RE: 4/98 QST QRP trivia

by kh6b@juno.com (Dean W Manley)
68) [6232] small key , more
by "mike newbold" <newbold@cmn.net>

Date: Mon, 16 Mar 1998 19:01:28 -0500 (EST)
From: Bruce Muscolino <w6toy@pop.erols.com>
To: ham@w3eax.umd.edu
Cc: QRP-L@Lehigh.EDU
Subject: [6165] Re: Discussion - what validates a QSO?
Message-ID: <2.2.16.19980316195323.2147f78c@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Of course he does! You worked him and he worked you. The presence or absence of a signal report makes no difference at all! That stuff's in your mind. When you get his card you can update your log.

73

Date: Mon, 16 Mar 1998 19:01:26 -0500 (EST)
From: Bruce Muscolino <w6toy@pop.erols.com>
To: mikemo@ibm.net
Cc: QRP-L@Lehigh.EDU, csnyder@nextdim.com
Subject: [6166] Re: Elmer101: Solid state design
Message-ID: <2.2.16.19980316195321.2147e84e@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>Arrl carries this book. Part number is #0402- Price is -\$15. Call ARRL
>At 1-888-277-5289
>It is a great book...
>
Better yet, order it from Kanga, USA, and enjoy enough of a discount to buy something else useful!

Standard disclaimer applies -- no relationships, just a happy customer.

Kanga@Bright.net

Date: Mon, 16 Mar 1998 16:05:21 -0800 (PST)
From: doug hauff <slmachco@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [6167] K8FF Paddle Contacts
Message-ID: <199803170005.QAA17395@fletch.fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Intermittant contact with either paddle shaft may be caused by poor connection in the adjustable contact screw; tightening the lock nut on the contact adjusting screw will remove screw backlash, pulling the threads together to provide better contact.

72 Doug KE6RIE

Date: Mon, 16 Mar 1998 18:25:47 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: wb7whi@triax.com
Cc: qrp-1@Lehigh.EDU
Subject: [6168] Re: Pi Nets
Message-ID: <351A2DFAE256D111883A0060B06B166248FB27@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Wayne:

Another way to visualize a pi net is to stand it on end (schematically :-))

Ground one end of the coil, and one end of one capacitor. Connect the other cap from the top of the coil to the top of the grounded cap. You now have a parallel tuned circuit, with a capacitive divider. The two caps in series tune the coil to resonance, while providing a variable tap up or down the inductor. The higher the value of the bottom capacitor, the lower the "tap" on the coil.

If the parallel resonant impedance of the LC combination equals R_{hi} , then the variable tap gets you to the desired R_{lo} .

This is just another way of looking at a pi, but it helped me when I was starting out.

73, Bob N6WG

Date: Mon, 16 Mar 1998 16:51:57 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [6169] Elmer 101: Oscilloscope Tutorial
Message-ID: <350DC92C.9B9A3491@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If anyone is looking for a good tutorial on the ABC's of O-Scope theory & operation, here's a good web site. Warning: better reload the printer with alot of paper tho. <http://www.tek.com/Measurement/>

--
Chuck Snyder (No_Call_Sign_Yet)
<http://www.nextdim.com/users/csnyder/index.htm>
QRP-L #1462
Spokane, WA

Date: Mon, 16 Mar 1998 18:23:41 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.EDU
Subject: [6170] Norcal paddle contacts
Message-ID: <199803170123.SAA25687@smtp04.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Another 'fix' that I did was to grind the arm contact screw tip to a cone shape and the fixed mating screw tip to a 'flat face'....then you should get more consistant results in spite of the 'slop" as the two contacts mate...Do both sides of course.
72/73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL AMSAT ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=124

Date: Mon, 16 Mar 1998 17:24:57 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [6171] ZM-2 Boo-Boo
Message-ID: <19980316.172457.6158.0.dave_epps@juno.com>

I sure hate to admit this, but it might keep someone else from making the same mistake.

I got the 2 toggle switches switched and didn't notice it until I was ready to

test it. I just didn't read the parts list and schematic good enough.

dave ab5pc fresno, ca. cu at dayton

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 16 Mar 1998 17:45:13 -0800
From: chunt@macromedia.com (Christian Hunt)
To: qrp-l@Lehigh.EDU
Subject: [6172] ZM-2 Problem Solved!
Message-ID: <v02140b19b13384adfa24@[192.168.22.76]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

So, a few weeks ago I posted a message about not being able to tune up my 40m V-Sloper with my then just built ZM-2 tuner... well I solved the problem. It seems that the coax connector (PL-259) on the length of RG58 I use to feed said antenna was having a bit of a problem. In other words, it had an intermittent connection that I'm still not sure why I didn't catch earlier. Anyways, the ZM-2 won't tune up a PL259 connector... just in case you wanted to try to use a super compact antenna for you next portable qrp op. :)

Tuner works great, coax has new PL-259. And it does tune quick. I can usually tune up my dipole faster then the automatic tuner in my 940. Great kit, and super easy to build.

72/73 de KF6IHU - Christian

Date: Mon, 16 Mar 1998 20:40:56 -0500
From: "duane" <duane@flinet.com>
To: "qrp-l group" <QRP-L@Lehigh.EDU>
Subject: [6173] FCC LICENSE PLAQUES
Message-ID: <01bd5145\$bb1a53e0\$44180ed0@ab4be.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recieved several letters from people thanking me for this post recently, so I thought I'd post it one more time.
Hey guys and gals I found a really cool site that sells plaques. They make it using a copy of your FCC license. Very nice plaques high quality. Check it out a link is on my ham radio page.
or go directly there at
<http://www.awards-r-us.com/wireless/products.cfm?siteid=3121>
or my page at <http://www.flinet.com/~duane/ham/ham.html>
They also make other award plaques, so book mark them for later use.

72's
duane

Date: Mon, 16 Mar 1998 17:49:16 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [6174] Antennas West
Message-ID: <19980316.175318.6158.1.dave_epps@juno.com>

Tks for the info on Radio Paul.
call 1-800-926-7373 and the friendly gentleman there will tell you all about
Antennas West.
I got interested in this from the fine QRP article with info from N10DL on
portable antennas.. This was in the Keynote (Fist) newsletter.
 dave ab5pc fresno, ca. cu at dayton

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 16 Mar 1998 21:10:12 EST
From: DYARNES <DYARNES@aol.com>
To: dave_epps@juno.com, qrp-l@Lehigh.EDU
Subject: [6175] Re: Antennas West
Message-ID: <1708d9bb.350ddb86@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-03-16 14:14:48 EST, dave_epps@juno.com writes:

<< Seems that Antenna's West is no longer in business, but the hf wire
antennas
products will be taken over by "Radio Pauls".
Now to find Radio Pauls, any info? >>

It's a fellow from Albuquerque--shows up at most of the bigger hamfests here
in Arizona. I'm sorry I can't remember the man's call. Jay, WA5WHN can
probably fill in the details.

72 de David W7AQK

Date: Mon, 16 Mar 1998 21:16:16 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [6176] This is ONLY a test...
Message-ID: <a8165d56.350ddcf3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

This is only a test.

Denny / KF6NJQ
FISTS # / QRP-L # 1359

10-X # 69158

HAMing It Up Everyday In Goleta, CA

Section: Santa Barbara

Long: 34.437 N Lat: 119.868 W

Grid: DM04BK.

Date: Mon, 16 Mar 1998 21:22:24 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: chunt@macromedia.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6177] Re: ZM-2 Problem Solved!
Message-ID: <350DDE5E.6AC37B26@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Christian Hunt wrote:

> So, a few weeks ago I posted a message about not being able to tune up my
> 40m V-Sloper with my then just built ZM-2 tuner... well I solved the
> problem. It seems that the coax connector (PL-259) on the length of RG58 I
> use to feed said antenna was having a bit of a problem.

You think you got problems?

I was trying to get a 751 running at the engineering school. Was feeding a GAP antenna that would only intermittently take power. Couldn't figure out what was going on. Finally could not get the antenna to take any power at all. Figured somebody fried the finals. One of the other ops present suggested that we test the coax jumper between the rig and the bridge. It was shorted.

Left my house in a hurry that morning and grabbed the first jumper I saw in the workshop. Probably been 10 yrs since it was last used. Oh well.....

Sic transit gloria

Henry

Date: Tue, 17 Mar 1998 03:06:06 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: pharden@aoc.nrao.edu
Cc: qrp-l@Lehigh.EDU
Subject: [6178] Solar Reports - tnX
Message-ID: <3.0.16.19980317025304.28c75db4@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul... keep the solar reports and charts coming... I love this stuff.
Your comments are very informative. Looks like the makings of
a restless cycle. Amazing how the sun works.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Mon, 16 Mar 1998 23:08:01 -0500 (EST)
From: Bruce Muscolino <w6toy@pop.erols.com>
To: QRP-L@Lehigh.EDU
Subject: [6179] Re: The Balanced Ham
Message-ID: <2.2.16.19980316235957.252f931e@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just have to ask this...

Does being a balanced ham mean you should spend part of your operating time
at 5 watts and part at 500 watts?

AN inquiring mind wants to know...

Date: Mon, 16 Mar 1998 20:33:58 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: Bruce Muscolino <w6toy@pop.erols.com>
Cc: mikemo@ibm.net, QRP-L@Lehigh.EDU
Subject: [6180] Re: Elmer101: Solid state design
Message-ID: <350DFD36.3E3FA72@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I tried your number, but could never get connected. Is that a good number? I really don't like putting my Visa Card # on the net. A friend of mine once did it and someone bought a hard drive from his credit card #. There's alot of crooks out there!

--
Chuck Snyder (No_Call_Sign_Yet)
<http://www.nextdim.com/users/csnyder/index.htm>
QRP-L #1462
Spokane, WA

Bruce Muscolino wrote:

> >
> >Arrl carries this book. Part number is #0402- Price is -\$15. Call ARRL
> >At 1-888-277-5289
> >It is a great book...
> >
> Better yet, order it from Kanga, USA, and enjoy enough of a discount to buy
> something else useful!
>
> Standard disclaimer applies -- no relationships, just a happy customer.
>
> Kanga@Bright.net

Date: Tue, 17 Mar 1998 06:46:41 +0000
From: Charles Olson <jacksonharbor@worldnet.att.net>

To: qrp-1@Lehigh.EDU
Subject: [6181] Double your memory, double your fun!
Message-ID: <19980317064636.AAA27726@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jackson Harbor Press is pleased to announce two new kits for doubling the memory of your Super CMOS III keyer OR your Island Keyer / Island Memory.

The kits are inexpensive, small in size, easy to build/install and are available now. With the flip of an SPDT switch (supplied by you), you can select one of two EEPROM memories, which doubles the number of memories you can use. Your Super CMOS III will now have 12 memories (2 banks of 6). The Island Keyer / Island Memory will now have 8 memories (2 banks of 4). This is ideal for the 2 op station or just where you need more memory to "spread out".

These kits were inspired by an idea from Meyer Minchen, AG5G and are being produced with his permission. The memory doubling concept will be familiar to many who purchased a memory anemic computer in the pre-IBM PC days of personal computing. It was common then to increase the memory in a computer by "piggybacking" the memory chips (mounting two or more chips one on top of another and connecting all the pins in parallel except for the chip select). The Memdoub kits accomplish this in a somewhat more civilized way. After building the Memdoub circuit board, the user unplugs the 8 pin EEPROM memory from the keyer, inserts that memory into a socket on the Memdoub circuit board. Finally, a short ribbon cable jumper is inserted into the keyer EEPROM socket and another socket on the Memdoub board. No cutting of traces or soldering one chip on top of another is required. The kits are hardware only - no software change is required.

Features:

- all parts included EXCEPT for an SPDT switch and mounting hardware.
- small size - circuit boards are 1.1 x 1.5 inches
- the number of memories is doubled, the size of the memories remain the same
- hardware only kit - no software update is needed
- easy plug-in installation or removal

Ordering information:

The Memdoub-1 (for the Island Keyer or Island Memory) costs \$7.00.

The Memdoub-2 (for the Super CMOS III keyer) costs \$8.00.

In the USA, add \$2 shipping/handling (DXers: please inquire to jacksonharbor@worldnet.att.net for shipping rates outside the USA).

Wisconsin residents add 5.5% sales tax.

Make checks payable to: Jackson Harbor Press.

All orders will ship via First Class mail.

Mail your kit choice along with your check or money order, name, address, call and email address (in case of a problem) to:

Jackson Harbor Press
N21W1418 Foss Road
RR1, Box 91C
Washington Island, WI 54246-9718

Thank You for your interest.

Best Regards,

Chuck

Chuck Olson
WB9KZY
Jackson Harbor Press
Washington Island, WI

Date: Mon, 16 Mar 1998 22:14:55 -0900
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU, Doug Dickinson <kl7ikx@pobox.alaska.net>
Subject: [6182] SMite Technical Results from KL7IKX
Message-ID: <350E22EE.5CF4FEE0@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I gave KL7IKX a gift of one of my SMites for 80 meters. Doug built it the first day and then today he sent me the following information. I thought it was interesting and share it with the QRP-L group.

73, Jim, AL7FS

=====

16 March 1998

Ok Jim here are the results on the 80m Pico transmitter.
Realize these are unofficial'.

Equipment used:

250 mW full scale terminating Bird wattmeter/load.

IFR 1100 service monitor (due cal 4-98)

HP 721 regulated power supply (no cal required)

Fluke 8060A True RMS multi-meter (cal due 3-99)

TK 2465 Scope (cal due 3-99)

All tests conducted at 68 (f) unless otherwise noted.

12.5 Vdc input = 250 mW output.

9.0 Vdc input = 140 mW output.

7.5 Vdc input = 105 mW output. (1)

(1) Unreliable keying and output below 7.5 Vdc.

Transmitter current draw @ 9 Vdc: 58mA.

Receive center frequency: 3.6868 MHZ

Transmit center frequency: 3.6871 MHZ

Transmit offset (+ 300 Hz).

Crystal appears to exhibit negative co-efficient action, froze board to -40 (f), with freeze mist, transmitter and receiver continued to operate, and frequency shift was less than 1.5 Khz upward.

Receive current: 9.2 mA. @ 9 Vdc.

Standby current: 8.5 mA. @ 9 Vdc.

Estimated operating time from 2.3 a/h camcorder' batt. at 90/

5/ 5% duty cycle 208.9 hours

at 80/10/10 - 170.1 Hours.

Estimated operating time from standard alkaline' 9v

at 90/ 5/ 5% duty cycle 51.3 hours

at 80 /10 /10 - 41.8 hours.

Duty cycle time calculations based on:

Standby / Receive / Transmit

Date: Mon, 16 Mar 1998 23:29:30 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-l@Lehigh.EDU>
Subject: [6183] re: No Sound Using Super Morse
Message-ID: <350E265A.477166DF@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

You recall I don't have a sound card in my 386SX. For some strange reason, my PC speaker doesn't work either. I checked for continuity and it checks out as okay. The Super Morse program is working fine. Now some one said something about using the RS232 output into an CW oscillator. Has some one done this before (I'm sure?). If yes, where can I obtain a schematic so I can construct it. I am desperate to start practicing my code. I could use the Pentium computer in our living room, but once the Spring quarter begins my wife will be like a hungry dog with a bad attitude (school-pressure with a little exaggeration), so I want to keep peace at the home front. Any ideas or comments are highly encouraged!

--

Chuck Snyder (No_Call_Sign_Yet)
<http://www.nextdim.com/users/csnyder/index.htm>
QRP-L #1462
Spokane, WA

Date: Tue, 17 Mar 1998 07:39:20 GMT
From: n4js@pobox.com (John Sielke)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [6184] QRPers in Allentown, Pa.
Message-ID: <350e2756.14486442@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Will be in Allentown, Pa. on March 24, 25 and 26th for meetings at the Airport. Will be staying at some place called the "Microtel" or "Micromotel" (The FAA provides classy accomodations). I plan on bringing along at least the NC40 and 38 Spl, maybe even the Cascade,

with the new "Bugcatcher" on the Explorer, so may get on the air in the evening. Any QRPers in the area from the list, want to get together for pizza or whatever? Haven't been in the area since 1966, when I graduated from Lehigh.

```

      =20
      /\  /\  /\  /\  John L. Sielke n4js@pobox.com n4js@qsl.net
      ( N ) ( 4 ) ( J ) ( S ) NJ Grid:FM29LN http://www.qsl.net/n4js
      \_/_ \_/_ \_/_ \_/_ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
      G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

```

Date: Tue, 17 Mar 1998 08:34:39 +0000
From: ea8yu Goran <rodriguez@jet.es>
To: qrp-1@Lehigh.EDU
Subject: [6185] High speed CW again
Message-ID: <3.0.5.32.19980317083439.007b9810@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The RUFZ top list shows HA30V copying callsign at 113 wpm closely followed by K5FO at 108 wpm. This is no continuous copying but shows the highest speed they copied at in a series of callsign sent with rising speed, waiting for them to write it down before sending the next one

RUFZ is a program by DL4MM for training CW, specifically copying callsigns. I have found this program doing wonders with my CW.

<http://home.t-online.de/home/KOLPE@t-online/fedtrt.htm>

Saludos
Goran ea8yu

Date: Tue, 17 Mar 1998 06:30:44 EST
From: "Brian Jones" <brian_jones@uk.ibm.com>
To: qrp-1@Lehigh.EDU
Subject: [6186] Crystal sets
Message-ID: <199803171130.GAA41982@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

There was a discussion a couple of days back re making simple diode
rcvrs. www.midnightscience.com is the homepage of the Xtal Set Society
and has much info on crystal rcvrs in general and a nice build it
yourself am broadcast set built around a Quaker Oats box.

No batteries - must be real QRP!!!!

Brian - G0UKB

Brian Jones
Java Technology Centre
HURSLEY MP 146 Ext 246896 (+44 1962 816896)
BEJONES AT WINVMD bejones@hursley.ibm.com

Date: Tue, 17 Mar 1998 05:31:59 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [6187] [Fwd: [Mobile/Portable] Tuning the screwdriver]
Message-ID: <350E6D3F.6AD209F@concentric.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----1C4A17FE6CCBF2EA827DEEB6"

This is a multi-part message in MIME format.
-----1C4A17FE6CCBF2EA827DEEB6
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With all of the interest in the DK3, I thought that you all might like
this information.

--
Jess N0TFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/N0TFI> Fox Audio Page

-----1C4A17FE6CCBF2EA827DEEB6
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

>Return-Path: <owner-mobile-portable@ns3.qth.net>

Received: from ns1.qsl.net ([209.60.242.81])
by morse.concentric.net (8.8.8/(97/11/17 5.13))
id CAA24552; Tue, 17 Mar 1998 02:00:44 -0500 (EST)
[1-800-745-2747 The Concentric Network]
Errors-To: <owner-mobile-portable@ns3.qth.net>
Received: from ns3.qth.net (qth.net [209.60.242.87])
by ns1.qsl.net (8.8.7/8.8.7) with ESMTP id CAA04564;
Tue, 17 Mar 1998 02:00:49 -0500
Received: (from majordom@localhost)
by ns3.qth.net (8.8.7/8.8.7) id BAA29001
for mobile-portable-outgoing; Tue, 17 Mar 1998 01:57:11 -0500
X-Authentication-Warning: ns3.qth.net: majordom set sender to owner-mobile-portable@qth.net using -f
Received: from imo20.mx.aol.com (imo20.mx.aol.com [198.81.17.42])
by ns3.qth.net (8.8.7/8.8.7) with ESMTP id BAA28998;
Tue, 17 Mar 1998 01:57:08 -0500
Received: from N5QL@aol.com
by imo20.mx.aol.com (IM0v13.ems) id 9VWSa04959;
Tue, 17 Mar 1998 01:53:18 -0500 (EST)
From: N5QL <N5QL@aol.com>
Message-ID: <6355b465.350e1de0@aol.com>
Date: Tue, 17 Mar 1998 01:53:18 EST
To: mfj@mfjenterprises.com, antennas@qth.net, mobile-portable@qth.net,
dk@w6aaq.com
Cc: WD5HMM@aol.com
Mime-Version: 1.0
Subject: [Mobile/Portable] Tuning the screwdriver
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
X-Mailer: AOL 3.0 for Windows 95 sub 78
Sender: owner-mobile-portable@qth.net
Precedence: bulk

I have been passing some mail under the table about my method of tuning my screwdriver antenna (DK3, DK Johnson, W6AAQ, see <http://www.w6aaq.com> for lots of info on invention). I have been asked to forward the information to the group.

Here is the essence of the messages:

I have been using a fool proof no eyes needed method for tuning my home brew screwdriver antenna (from W6AAQ plans, inventor of the screwdriver) for several years. All you need besides the antenna and rig is a two-way coax switch and any of the MFJ analyzers that cover HF (I use the 207). The coax from the antenna goes to the common connector on the switch and the rig to position 1 and the analyzer to position 2. Tune the rig to the desired frequency. Now with the switch in position 2, analyzer to antenna, adjust for beat tone audible in receiver. Next run the antenna up or down until you get a null(zero beat) in the receiver. Turn switch to position 1, antenna to rig.

You are now ready to transmit.

The beat tone comes from the oscillator in the MFJ analyzer. The weak signal from the analyzer is coupled to the antenna through the coax and as the antenna comes to resonance the beat tone is nulled in the receiver much like a dip meter.

You do not have to look at anything while tuning the antenna. All you have to look at is the rig once to set the desired frequency. Then turn the coax switch to couple the antenna to the MFJ then just adjust the MFJ to hear the tone from the beat note in the XCVR

Next run the screwdriver up/down until it sort of "swallows" the tone, until it is null. I do a lot of night driving and I never have to look at anything except the rig. It sounds complicated on paper but in practice very quick and simple. I have not seen the W6AAQ method but I think you have to build some sort of circuit for it.

The MFJ can be any one of the analyzers that cover the HF bands. You can always use it for working on other antennas. I use the MFJ-207 because it fits between the seat and the emergency brake lever.

The 2-way coax switch is velcro'd to the side of the shift console. I also use separate up/down buttons mounted in the side of the console to adjust the antenna so I don't even have to lean forward to reach a dash-mounted switch. It is a very sanitary installation with all coax hidden under carpet or the console.

Another point is that I don't have to transmit to tune or change modes, I leave the rig on sideband.

73 de Jim, N5QL
n5ql@aol.com

Submissions: mobile-portable@qth.net

-----1C4A17FE6CCBF2EA827DEEB6--

Date: Tue, 17 Mar 1998 07:19:58 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@Lehigh.EDU

Subject: [6188] Re: The Balanced Ham
Message-ID: <350E868E.4C18FB32@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

```
>  
> I just have to ask this...  
>  
> Does being a balanced ham mean you should spend part of your operating time  
> at 5 watts and part at 500 watts?
```

No, but you do have to use ladder line!!

john - n0hj

John A. Evans	Chief Systems Administrator
Office: (719) 528-1800 x164	Titan Software Systems
Fax: (719) 528-1888	1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com	Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Tue, 17 Mar 1998 06:28:31 PST
From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [6189] Re: The Balanced Ham
Message-ID: <19980317142832.20288.qmail@hotmail.com>
Content-Type: text/plain

```
>> I just have to ask this...
>>
>> Does being a balanced ham mean you should spend part of your
operating time
>> at 5 watts and part at 500 watts
```

Are you sure you didn't mean 5 watts and 500 milliwatts?

72/73
Ray Lowe

WD5DHK
Lancaster, Tx (near Dallas)
<http://members.wbs.net/homepages/w/d/5/wd5dhk.html>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 17 Mar 1998 07:37:42 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: qrp-1@Lehigh.EDU
Subject: [6190] FT-757 for sale (can QRP)
Message-ID: <3.0.5.32.19980317073742.0093a320@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm selling my Yaesu FT-757GX with the FP-757 heavy duty power supply. Both the user manual and technical manual are included, as well as the hand mike and an extra power cable.

The rig was checked out by the factory a couple of years ago and is in very good condition (I'm the original owner). It easily runs QRP by adjusting the cw drive or mike gain on the front panel.

I'm asking \$650 which includes shipping in the US.

72

Bruce, N7CEE

packet: n7cee@n7cee.az.noam.us
email: bog@flagstaff.az.us
Coconino ARC
QRP ARCI #5883
Adventure Radio Society #344
"Minimal Means... Maximum Fun"

Date: Tue, 17 Mar 1998 09:54:25 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [6191] Dipole wire advice needed

Message-ID: <350E8EA1.4FBC@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well it was inevitable... My 40 meter dipole has been up since September with no problems, but I just had to monkey around with it. Tried to lengthen it and ended up breaking it. I am currently without antenna :-(

The wire I used was cheap surplus wire. It was corroded badly. I want to use a better wire when I put it back up. I see in some of the radio catalogs "copperweld" wire.

Is that any better?
What gauge do I need? Is #18 ok?
Thanks!

--

72 de kf4trd
Mike Maiorana
Palm Harbor, FL

Date: Tue, 17 Mar 1998 10:02:25 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "NJ-QRP" <njqrp@njqrp.org>, "LIQRP" <liqrp@waterw.com>, "Antennas" <antennas@qth.net>
Subject: [6192] Anyone used Liquid Rubber vs. epoxy for center dipole insulator?
Message-ID: <199803171501.KAA26190@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

I'm planning on making a couple of new dipoles and have some liquid rubber and nice large PVC end caps from Home Depot.

Has anyone tried using liquid rubber to fill the center insulator vs. epoxy? I saw a few types of epoxy at Home Depot, but was not sure about what type was best, and they seemed expensive for the small quantities. (also couldn't find anyone wearing an orange apron).

Thanks for the info.

72 Kevin N2TO
Brooklyn, NYC

kfglynn@prodigy.net

Date: Tue, 17 Mar 1998 10:38:51 EST
From: JkHampton <JkHampton@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [6193] Tuna Tin 2 pwr oppps
Message-ID: <70fcaa2d.350e9913@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi All,

The other day I posted a note about making my first contact with my Tuna Tin 2. I said that the power level was measured at 150mW. Well, it was but I discovered that the calibration on my old scope was wrong. I braved the rains of El Nino last night and took it over to a friends house with a good scope (calibrated) and we did some measurements. The actual power is 250mW with the 12v gel cell I was using. That is more like what it should be. May still be a little on the low side (design info says around 300 to 350 mW) but I probably want fool with it to much. Hopefully, that will drive the Codzilla power amp. And then I may have the whole thing apart and tweeking by tomorrow night. Anybody got any ideas?

Ahhhh, The Joy of QRP. That's a great book by the way and a true statement as well.

72 es gud CW /QRP/QRPP
AC5JH
Tom

Date: Tue, 17 Mar 1998 09:41:36 -0600
From: launerb@crl.com (William H. Launer)
To: kfglynn@prodigy.net
Cc: qrp-1@Lehigh.EDU
Subject: [6194] Re: Anyone used Liquid Rubber vs. epoxy for center dipole insulator?
Message-ID: <v0153050eb13446de0332@[192.0.2.1]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Kevin,

>Has anyone tried using liquid rubber to fill the center insulator vs.

>epoxy?

I'm not sure what you mean by "liquid rubber", but there are a few problems with some of these products in this application. First, if it's a single mix (like bathtub caulk), it won't set up in a sealed environment. Second, if it smells like acetic acid (vinegar) it can be corrosive. If it's a two part mix (like epoxy), it will set up in a closed environment, but make sure it's suitable for electrical applications before you use it. Years ago, on the Gemini space program, we discovered that some of the RTV products (RTV-11, as a specific example) are hygroscopic, (they will absorb water), and become conductive when exposed to high humidity.

72/73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-1 #279 qrp arc1 #3551
Grid Square EM48RT

Date: Tue, 17 Mar 1998 08:53:46 -0700
From: David Ek <ekdave@earthlink.net>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [6195] IC-706 CW filters/Goofy CW
Message-ID: <01BD5182.3304E8C0.ekdave@earthlink.net>

All,

I surrender. I need a CW filter for my IC-706. I can choose from 250 Hz or 500 Hz. Any suggestions on which would be better? Also, will my filter follow my RIT frequency (I suspect the answer is yes, but a bit of confirmation would ease my worries).

Different thread: Last night I worked a ham who used the "?" character much more than usual. He was obviously using it to have a different meaning than what I was expecting, but I couldn't figure out what it was (copy was rough, too, so I couldn't infer much from the rest of what I could get). Any ideas? I don't have the years of experience that some of you guys have, so it's possible there is some common usage of which I'm not aware (on the

other hand, he sent "B" for "6" in his call sign consistently, so who knows?).

ObQRP: Had two QRP tail-enders call me the other evening--that's a first for me (and I confess I wasn't working QRP at the time). QRN was really awful, though, so couldn't ragchew with them.

tnx es 72 de ab0go Dave

Date: Tue, 17 Mar 1998 09:50:16 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Chuck and Michele Snyder <csnyder@nextdim.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6196] re: No Sound Using Super Morse
Message-ID: <Pine.OSF.3.96.980317094917.31606A-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 16 Mar 1998, Chuck and Michele Snyder wrote:

> Hi All,
>
> You recall I don't have a sound card in my 386SX. For some strange
> reason, my PC speaker doesn't work either. I checked for continuity and
> it checks out as okay. The Super Morse program is working fine. Now
> some one said something about using the RS232 output into an CW
> oscillator. Has some one done this before (I'm sure?). If yes, where can
> I obtain a schematic so I can construct it. I am desperate to start
> practicing my code. I could use the Pentium computer in our living room,
> but once the Spring quarter begins my wife will be like a hungry dog
> with a bad attitude (school-pressure with a little exaggeration), so I
> want to keep peace at the home front. Any ideas or comments are highly
> encouraged!

The supermorse program should have come with a readme file. At the back are schematics.

Brian.

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca http://duke.usask.ca/~buydens |
| VE5RDV |
| |
| DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!! |

```
+-----+
| "Love is a snowmobile racing across the tundra and then suddenly it |
| flips over, pinning you underneath. At night, the ice weasels come." |
| -- Matt Groening |
+-----+
```

Date: Tue, 17 Mar 1998 16:22:05 -0600
From: tshilhanek@JUNO.COM
To: qrp-1@Lehigh.EDU
Subject: [6197] SST unwanted sideband rejection
Message-ID: <19980317.162205.10102.1.tshilhanek@juno.com>

Has there been any modifications
to the SST transceiver to improve
the rejection of the unwanted
sideband in receive. My SST has
fairly good rejection but I would
like to get it better.

Terry WOPFR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Mar 1998 11:30:29 -0500 (EST)
From: "William B. Keane" <bkeane@mail1.nai.net>
To: qrp-1@Lehigh.EDU
Subject: [6198] Mar 5, NYT article source
Message-ID: <1.5.4.16.19980317113312.0927f092@pop1.nai.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Sorry for bringing up an old thread.

The source for at least part of the NYT Ham article comes
directly from the League.

<<http://www.danbury.lib.ct.us/org/cara/capersv2i3.html>>

About half way down headed "New York Times Article Touts Hamdom"
I also confirmed this with the editor.

If four kilowatts is the new maximum power QRO does this change
QRP limits?

What is the League's real position on QRP and homebrew?

72, Bill n1nik

```
-----|-----|
William B. Keane | QRP-NE 318 QRP-ARCI 9009 QRP-L 497 |
N1NIK CT | NOR-CAL 1008 CARA ARRL |
-----|-----|
```

Date: Tue, 17 Mar 1998 10:32:29 -0600
From: launerb@crl.com (William H. Launer)
To: mikemo@ibm.net
Cc: qrp-l@Lehigh.EDU
Subject: [6199] Re: Dipole wire advice needed
Message-ID: <v0153050fb1344b06fcfd@[192.0.2.1]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike,

>The wire I used was cheap surplus wire. It was corroded badly. I want to
>use a better wire when I put it back up. I see in some of the radio
>catalogs "copperweld" wire.

I recommend using insulated wire, and sealing any exposed ends and
connections in your environment. I bought a 500 ft. roll of 14 gauge
stranded, insulated wire at Home Depot for less than \$20. Insulation
doesn't noticeably degrade the signal, and it will certainly make your
antenna last longer.

73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arci #3551
Grid Square EM48RT

Date: Tue, 17 Mar 1998 11:33:24 -0500
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: ekdave@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6200] Re: IC-706 CW filters/Goofy CW
Message-ID: <350EA5D4.F87BD347@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Ek wrote:

>
> All,
>
> I surrender. I need a CW filter for my IC-706. I can choose from 250 Hz or
> 500 Hz. Any suggestions on which would be better? Also, will my filter
> follow my RIT frequency (I suspect the answer is yes, but a bit of
> confirmation would ease my worries).
>
>
Dave,

I have an IC-706 and a 250 Hz filter for cw and use it frequently. It
really eliminates strong signals close by. Glad I bought it.
73,
Tom, kv2x

Date: Tue, 17 Mar 1998 09:45:09 -0700
From: "James R. Duffey" <jr3m@maxwell.com>
To: qrp-l@Lehigh.EDU
Subject: [6201] Fox Tonight and Biggest UTC Screwup to Date!

Message-ID: <v03007801b13456878c01@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will be the Fox tonight, March 18 (UTC) from 0030 to to 0230. Look for me around 7040 +/- 5 kHz.

We had a snow storm Sunday with lots of thick heavy wet snow. The accumulation broke the top span of my delta loop, so it has changed it into a perverted Y. It will still load and I have made a few contacts with it, so I am going to try it. I would try to fix it, but the roof is very slick. The power was out at our house from 0900 in the morning Sunday to nearly midnight.

The UTC error? Well when I picked this date way back in September, I didn't realize that March 18 UTC was really St. Patricks day, March 17 MST!!! And with a good Irish name like Duffey, we usually start celebrating before 0030 UTC. I will have to put it off a bit.

Propagation should be good, I will be on time, so I hope to work more stations this time. Look for me. - Duffey

James R. Duffey (505) 764-3143
Principal Scientist (505) 843-7995 (FAX)
Maxwell Technologies Inc/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

Date: Tue, 17 Mar 1998 12:09:31 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [6202] low power thru my kit...
Message-ID: <Pine.LNX.3.95.980317120742.5796B-100000@danial.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey all. I am getting no output reading from the milliwatter. I think the problem is an rf coil, that has primary and secondary windings. Should the leads for the primary and secondary windings touch ? Does it matter ? According to the diagram, it looks as though one of the primary windinmgs runs underneath the secondary. Is that right ?

Tnx in advance.

| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |
http://www.diaidsn.net/user/cdlevin

Date: Tue, 17 Mar 1998 09:46:29 -0700
From: wa5whn@juno.com
To: dyarnes@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [6203] RE: Antennas West
Message-ID: <19980317.094732.2822.3.wa5whn@juno.com>

----- Begin forwarded message -----
From: radiopaul@juno.com (Paul A Passey)
To: wa5whn@juno.com
Subject: Re: Ladder Line 450 ohm
Date: Mon, 16 Mar 1998 21:16:17 -0800
Message-ID: <19980317.071927.9366.0.Radiopaul@juno.com>
References: <19980316.184333.2758.0.wa5whn@juno.com>

Jay wrote:

>Paul,

> Do You still have any ladder line left ? I will need to pick up ~ 100
>feet of it.

>

> Thanks...Jay, WA5WHN

Jay,

I sold all I had last Saturday in Castle Rock Colorado. However, I'm in process of taking over the HF antenna line of Antennas West and have just brought home a van load of wire and who knows what else.

I have over 3,000 feet of the 300 twinlead if that will work for you. I have also located several smaller rolls of the 450, but at this point in time, I haven't found one piece that is 100 feet long. I'm still going thru things so don't give up yet.

450 still continues to sell well and so I know I will be ordering some

more shortly. Let me know if the 300 will work or if the shorter runs of 450 is OK.

Paul

----- End forwarded message -----

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Mar 1998 11:46:38 -0800
From: LYN WILLIAMS <designserv@ipass.net>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6204] Re: Dipole wire advice needed
Message-ID: <350ED31E.16D30F95@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael Maiorana wrote:

> Well it was inevitable... My 40 meter dipole has been up since September
> with no problems, but I just had to monkey around with it. Tried to
> lengthen it and ended up breaking it. I am currently without antenna :-(
>
> The wire I used was cheap surplus wire. It was corroded badly. I want to
> use a better wire when I put it back up. I see in some of the radio
> catalogs "copperweld" wire.
>
> Is that any better?
> What gauge do I need? Is #18 ok?
>

Mike, The ARRL ANTENNA BOOK has a chapter dealing with electrical safety. In this chapter they mention that the National Electrical Code article 810 sections C and D specifically cover Amateur Transmitting and Receiving Stations. It goes on to say that antennas are covered in some detail in the code and that for hard-drawn copper wire, the code specifies no. 14 wire for open (unsupported) spans less than 150 feet.

The code also has other requirements you may wish to review.

Hope this helps.

Lyn, W4WDN

Date: Tue, 17 Mar 1998 09:03:16 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [6205] dead band DX
Message-ID: <199803171703.JAA03228@heracles.llnl.gov>

Everyone I talked to last night commented on how dead 40 was, but it was HOT for me... Worked AK, HI and later on, ZL1 with the NorCal 40A at 1500 mw. Up to 6 countries worked now QRP.

Also managed to work the ZL9 this morning but resorted to the Scout at 35W.

Grant/K7GT k7gt@qsl.net

Date: Mon, 16 Mar 1998 22:16:01 -0800
From: Ken Lopez <kjllopez@earthlink.net>
To: ka8okh@som-uky.campus.mci.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6206] Re: Solar Reports - tn timer
Message-ID: <350E23EF.4472@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich Dailey, KA80KH wrote:

>
> Paul... keep the solar reports and charts coming... I love this stuff.
> Your comments are very informative. Looks like the makings of
> a restless cycle. Amazing how the sun works.

Yes Paul, they are of interest, and your commentary is very enlightening. Do keep them coming!

One side note; there is a very interesting article in the current Communications Quarterly regarding predicting the "curve" for cycle 23. CQmmQuarterly is available at many newsstands for those of you who don't subscribe. It is a great magazine. Also two good antenna articles this issue.

Cheers,
Ken, N6TZV

Date: Tue, 17 Mar 1998 11:18:26 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, Ken Lopez <kjllopez@earthlink.net>
Subject: [6207] Re[2]: Solar Reports - tn timer
Message-ID: <0006A1BD.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Ken,

In case we can't find the magazine, please give us a "nut shell" review of the solar article. I'm always interested in hearing the predictions of Cycle 23.

So far, it's been a bit of a drag.....

Tnx

73 de Dave NR3E

Date: Tue, 17 Mar 1998 09:40:45 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <kreinbd@ccgate.dl.nec.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [6208] Re: Re[2]: Solar Reports - tn timer
Message-ID: <01bd51cb\$d0531a40\$309f5ecf@double_trouble.reliablemeters.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Going by memory here, so I may have it slightly wrong...

The author suggests that there are additional cyclic variations to the solar activity. In particular, he asserts that the 11 year cycle is actually half of a 22 year cycle with polarity reversed for each half cycle. The second half cycle can be predicted from measurements of the first half cycle; therefore, the author concludes that the next solar sunspot maximum is very likely to be the largest ever recorded.

I'm starting to think about 6 meter rigs...

Mike K1MG

> In case we can't find the magazine, please give
> us a "nut shell" review of the solar article. I'm
> always interested in hearing the predictions of
> Cycle 23.
> 73 de Dave NR3E

Date: Tue, 17 Mar 1998 12:49:00 -0500
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [6209] G4ZPY mini-paddles - how small?
Message-ID: <m0yF0Sa-000ZlXC@mgate.arrl.org>

Hi All,

I seen a few mentions of these paddles on this list and decided to check them out. I only found one web page (non-English) with a good picture of them, but the size was not indicated. Anyone know just how small these are?

73, Michael Tracy, KC1SX

Date: Tue, 17 Mar 98 9:57:27 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: mtracy@arrl.org
Cc: qrp-1@Lehigh.EDU (qrp)
Subject: [6210] Re: G4ZPY mini-paddles - how small?
Message-ID: <9803171757.AA26730@wizard.ucs.sfu.ca>

Hi Mike,

The base is 44mm square and they are about 39mm high from the bottom to the highest point. The finger pieces are 27mm long and 20mm wide and 3mm thick.

They are a great set of portable paddles. I find the magnetic base really helpful.

cheers, Paul VE7CQK/email: paul1@wizard.ucs.sfu.ca

>
>
> Hi All,
> I seen a few mentions of these paddles on this list and decided to
> check them out. I only found one web page (non-English) with a good picture
> of them, but the size was not indicated. Anyone know just how small these
> are?
>
> 73, Michael Tracy, KC1SX
>
>

Date: Tue, 17 Mar 1998 13:11:21 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: David Ek <ekdave@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6211] Re: IC-706 CW filters/Goofy CW
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 17 Mar 1998, David Ek wrote:

>
> I surrender. I need a CW filter for my IC-706. I can choose from 250 Hz or
> 500 Hz. Any suggestions on which would be better? Also, will my filter
> follow my RIT frequency (I suspect the answer is yes, but a bit of
> confirmation would ease my worries).
>

I bought the 706 with optional 500 cy filter. 250 cy is too tight, especially when working QRP stations who tend to call off freq. Yes, it does center on your xmt freq with RIT set to center. The rig also has IF-Shift, but it performs poorly. Another nice feature is that you can set the pitch that you want to listen to at zero-beat, follows the CW sidetone...

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Tue, 17 Mar 1998 12:14:30 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: jbarrett@stny.lrun.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [6212] Antenna
Message-ID: <351A2DFAE256D111883A0060B06B166249C769@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Jim (KC2DCC):

Welcome to Wonderland :-). Lot's of hams have been wondering, why have I been QRO all these years?

Got an idea that might be worth your trying. Like you, I got into QRP seriously due to TVI, long before cable came into our neighborhood.

If you could make a balanced antenna, it might help reduce any TVI tendencies further. It wouldn't necessarily have to be a classic dipole with feedline out to the center. The idea is to have a centerfed antenna with two equal halves, not necessarily resonant, but it might help. It could even be in the shape of a v, at least 90 degree angle though. This gets all the radiation outside the house, even if the feedpoint is right at the wall or window. Such an antenna is ground independent, and will couple less into your building wiring.

An endfed wire is always hardest to keep clean, because the building wiring is more closely coupled to whatever you have for the "other" lead, whether a ground wire, a random counterpoise, a radiator or your

bedsprings.

You would use a parallel tuner to match the antenna, either by having the two antenna wires come to the tuner directly, or maybe have a modest length of 450 ohm (or even 300 ohm) line from the antenna feed point to the tuner. The tuner provides an additional stage of selectivity to further reduce any harmonic energy that might be trying to work its way into the outer world.

With the right feedline length, coiled around the base of the wall, under the sofa, wherever, you could even get away with no tuner at all. See W6RCA's web page. Cecil has an ingenious scheme that works. I use it on my horizontal loop on my roof. No tuner at all and about 1.2:1 SWR at the shack.

Anyway, welcome aboard. Hope to catch you on the air.
73, Bob N6WG and Ol' Kenwood

Date: Tue, 17 Mar 1998 13:15:59 EST
From: RangerSF5 <RangerSF5@aol.com>
To: forsale-swap@qth.net, qrp-1@Lehigh.EDU
Subject: [6213] mobile antenna/swap
Message-ID: <189b2323.350ebde1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

looking for a single band mobile antenna to work qrp with on SSB
Have several Items to swap

Please "E" mail direct
Thank you
Bob

Date: Tue, 17 Mar 1998 13:19 -0700 (PDT)
From: eakwik@mail.hac.com
To: qrp-1@Lehigh.EDU
Subject: [6214] Should I trade up?
Message-ID: <0EPZ00H0K717LR@mail.hac.com>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1

I bought a Triton IV 540 from Ten Tec as part of there used equipment sales. It came with a 90 day full trade-in value. I love it. It works great. But I can upgrade to a scout for about \$200 and the trade-in.

Would the Scout be \$200 better qrp cw performer than the Triton?

Or would I be just buying the ability to do the WARC bands?

Thanks Ed
KC8JIE Waterford, MI QRP-L #1444

Date: Tue, 17 Mar 1998 12:20:43 -0600
From: Bill Myers <bjmyers@arc.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [6215] Re: The Balanced Ham
Message-ID: <3.0.5.32.19980317122043.007b02b0@mail.arc.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Bruce Muscolino wrote:
>
> I just have to ask this...
>
> Does being a balanced ham mean you should spend part of your operating time
> at 5 watts and part at 500 watts?

I thought a balanced ham spent half their time building equipment and half their time operating!!

--
Bill Myers KK4KF Grid - EM60rk
FISTS QRP-L ARCI scQRPions CQC NE AK/QRP NorCAL
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://www.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
AT <http://www.fists.org>

Date: Tue, 17 Mar 1998 11:35:14 -0700

From: "mike newbold" <newbold@cmn.net>
To: <qrp-l@Lehigh.EDU>
Subject: [6216] small key
Message-ID: <199803171837.LAA26807@yampa.cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Another nice small iambic key is the TE NE KE by NE8KE. the nice feature of this baby is that one can detach it from its base and install directly to a rig. inside for storage, outside for operation. mine fits nicely inside my sierra for transport using the available threads in the chassis. the size of the key is about the size of your little finger. 72/73 mike
KØYØ

Date: Tue, 17 Mar 1998 13:21:50 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: jdenison@morelr.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [6217] Ant polarity
Message-ID: <351A2DFAE256D111883A0060B06B166249C7A5@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Hello again, Joel.

I have noticed that the polarity factor seems to be a function of distance. If a station is relatively near, say groundwave range, maybe out to 40 miles or so, I do better on the vertical. After that, my horizontal plane loop on the roof takes over. Still farther out, my vertical loops come back into play due to their low takeoff angle.

You really need both a vertical and a horizontal antenna. I just happen to do it with loops, but dipoles will give the same general results. Once your signal encounters the ionosphere, it will be tumbled anyway.

73, Bob N6WG and (untumbled) 01' Kenwood

Date: Tue, 17 Mar 1998 13:54:02 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: MJMULLINS@dow.com

Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [6218] NorCal paddle
Message-ID: <351A2DFAE256D111883A0060B06B166249C7C9@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi, Mike.

Like you, several others of us have had trouble with the "dropped dits" problem.

I left in place the steel set screw, as I haven't found a brass one yet. I changed out the steel adjusting screw in the fixed post for a brass screw. Seems to have worked so far.

Like you, I put a fine wire from ground to the dit arm to ensure the bearing wasn't the problem. Didn't make any diff, so I'm certain the problem is in the contact area.

I discussed this with Doug Hauff who makes them for us. He found that tightening the lock nut really tight on the dit screw solved the problem for him. This suggests the problem isn't so much in the contact points as in the contact between the screw and the post.

I'm going to try this fix and see if I notice anything different.

73, Bob N6WG and 01' Kenwood

Date: Tue, 17 Mar 1998 13:54:29 -0600
From: Kevin Muenzler <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6219] RE: Ant polarity
Message-ID: <01BD51AC.353DA8A0@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On cnse97@lmpsil02.comm.mot.com, Tellefsen Bob-
CNSE97[SMTP:cnse97@lmpsil02.comm.mot.com] wrote:

> Hello again, Joel.

>

> I have noticed that the polarity factor seems to be a function of
> distance. If a station is relatively near, say groundwave range, maybe
> out to 40 miles or so, I do better on the vertical. After that, my
> horizontal plane loop on the roof takes over. Still farther out, my
> vertical loops come back into play due to their low takeoff angle.

>
> You really need both a vertical and a horizontal antenna. I just happen
> to do it with loops, but dipoles will give the same general results.
> Once your signal encounters the ionosphere, it will be tumbled anyway.
>
> 73, Bob N6WG and (untumbled) Ol' Kenwood
>
>

This is true Bob. One thing that you must consider. "Real" ground wave only happens on about 40 meters and down. However those are the bands with the most noise. Vertical antennas are very susceptible to man-made noise. You have to take the pluses with the minuses with any antenna system. I have a 1/4 wave vertical on 40 meters and 80 meters. They are EXTREMELY noisy during the Summer months but are great for DX and ground wave. When conditions are very noisy I use a dipole or long-wire for receive and the vertical for transmit. Like you said, for DX/ionospheric propagation the receiving polarization doesn't matter. The horizontal antenna makes for a pretty quiet antenna.

72/73
Kevin, WB5RUE

Leeniers? We dunt need no steenkeeng leeniers!

Date: Tue, 17 Mar 1998 14:59:46 -0500 (EST)
From: jeverhar@camden.lmco.com
To: qrp-1@Lehigh.EDU
Cc: kfglynn@prodigy.net
Subject: [6220] Re: Anyone used Liquid Rubber vs. epoxy for center dipole insulator?
Message-ID: <9803171959.AA08036@train11.CAMDEN.LMCO.COM>

Kevin,

Whhops, slight typo - see below:

>go to the Sears Hardware store any buy a huge container of epoxy for about
>\$10.00
 ^^^^

My '1' key bounced at the wrong time!

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Tue, 17 Mar 1998 14:05:20 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU, jjmcd@mdn.net, dssl@3di-soft.com, dan.watson@TANDEM.com
Subject: [6221] IC706 Converters/Software - What I found (LONG)
Message-ID: <350ED780.FA75AC52@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks, and many, many thanks to those of you who put your 2 cents in! Below is listed what I found, and what I ended up using, plus some addresses to get the data should you be interested in doing the same!

Interface schematics:

There are a couple that are available, one from:

www.ccc.nottingham.ac.uk/~mzyd108/interfaces.html

The other was from the ARRL handbook.

1. Since the icom interface is a single pin, it must receive and transmit on the same wire. The way the ...interfaces.html circuit is done, it uses only one device, a Maxim MAX232, and ties the input directly to the output. I personally don't like to do this, as you are relying on the output to be 'overdriven' by the Icom's internal driver. Mebbe it will work, mebbe not.
2. The Handbook's version uses the same converter chip, the MAX 232, but it uses some 7417s on the I & O lines. The output of the 7417 is basically an open collector transistor, meaning that anyone on the line can also pull the line low. It's called 'wire-oring'.

So, you are protected from blowing anything up.

3. I used a couple of transistors - basically because when I saw how the interface was implemented (one wire, open collector, etc), I remembered a board I had designed in times past that just used a couple of xstrs to do the level conversion. The biggest problem with it is that it requires a negative voltage. (this was provided on the board that I used).

Recommendation: Use the Handbook's schematic.

SOFTWARE:

I have found three separate programs that all work, but do things a bit differently.

Probably the most widely used one can be gotten from www.halcyon.com/amreg/ This was the one recommended by several list members, as well as Icom themselves. It has a pretty picture of the 706, and areas on the faceplate that you can click to make it do things. Not all of the buttons are implemented, so you can't get all of the functions. I haven't found the way to save all of

the settings of the program (com port, etc), but I'm sure it's probably something that I haven't read yet! One thing about this program is that it seems considerably slower than the other ones. It will only run under Windows 95.

The second one is available from a link under the amreg, and is called icom223.zip.

The third is called ic-706.zip, and is available from the BARC club page (Boston Amateur Radio Club). It's kinda hidden, so here's the ftp address:
[ftp.barc.org/pub/hamradio/arrrl/bbs/programs](ftp://ftp.barc.org/pub/hamradio/arrrl/bbs/programs).

Hope this helps you in playing with your 706.

Thanks,

Tim W5FN

Date: Tue, 17 Mar 1998 15:26:38 EST
From: EBikales <EBikales@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [6222] MFJ DSP FILTER
Message-ID: <860dd2f2.350edc80@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello gang,

I have an MFJ-784 tunable filter, with the updated chip and all docs. It works just fine, but I'd rather have a slick 30 Meter QRP Xcvr. Anyone up for a trade??? Drop me an email at: EBikales@aol.com

72,
Eric AC6NT

Date: Tue, 17 Mar 1998 14:30:38 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU
Subject: [6223] IC706MK II Observations (long)
Message-ID: <350EDD6E.1F380BC8@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I've had the little box about 4 days, and since we had a lot of rain over the weekend, I couldn't do much but play with the radio!! Here is some observations that I've found with mine, I'd really like some folks to comment about it, either directly, or thru the list. I have spoken to a guy at Icom about them, (I believe his name was Gary), but they don't seem to be too concerned whether they are really problems or not... "it was designed that way"..

1. The Carrier Freq Adjust (Q4) - in receive, doesn't seem to do anything. The Icom guy said it's used to make your voice sound more natural to the other guy in the transmit mode...??? Any comments on how this should work? The manual doesn't seem to talk about it. Nothing from -200 to +200 hz did anything.

2. The sub-audible tone seems to be fixed a bit high.. I've had a couple of reports of hum in my 2 meter audio. The Icom guy said that it's a fixed resistor, and not adjustable.
3. With the IF shift knob centered in it's detent, I've noticed that high signal stations also show some significant opposite sideband signals. e.g. a S9+20 signal on one side of the carrier has about an S7 signal on the opposite. If I rotate the IF shift knob a bit, I can't hear the opposite sideband at all. The Icom guy said this is normal. hmmmmm
4. The sub audible tone is not very well filtered in the receive audio chain. It was quite noticeable. This was with a TS-940 external speaker.. perhaps a smaller speaker wouldn't respond so well to the low frequencies. The guy at Icom said this was normal.
5. By holding the MODE button down (in CW mode), it switches to listening to the opposite sideband. I've noticed that it does do this, but it's not exactly the same frequency that you were listening to.
6. The 40 meter night stuff... He said it's 'normal'. I used the MFJ 949 as a preselector/tuner to the triangular array, and the garbage went away. BTW, I didn't see very much of the garbage when I was hooked up to the 135' dipole.

I've given my comments, mainly to see if there are some commonalties with other members of the list. Also, some people have asked me what I thought about the radio.

Basically, it is a slick radio! Icom has done some neat stuff with the encoder knob... if you turn it at a normal speed, it does what it should. If you really twist it, the micro knows you want to go fast, and ups the rate of tuning! Having written several algorithms dealing with optical encoders, I think that's pretty neat.

On my 2 amp digital meter, with the LCD backlight turned off, it draws just a bit over 1 amp. Transmitting in the 'L' power (3 watts), it goes blank, meaning it's drawing over two amps.

The brochure shows the rig sitting on a camping table with a Coleman lantern supplying the light... guess they had a couple of Die Hards under the table! :-)

Despite my observations (they aren't meant as spears), I like the box.

Thanks for the BW

Tim W5FN

FOX TONIGHT!!!!

Date: Tue, 17 Mar 1998 13:32:12 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6224] Ramsey info needed
Message-ID: <350EDDCC.25E1@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang!

I picked up a Ramsey 40 meter xmtr/rcvr and would like to get some sort of info on both. Need a schematic if possible. Xmtr seems to work ok, but rcvr is a lil sick. Any info would be appreciated. 72, Tom WB5QYT

Date: Tue, 17 Mar 1998 14:32:00 +0000
From: "Frank Emens" <femens@advicom.net>
To: ekdave@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [6225] Re: IC-706 CW filters/Goofy CW
Message-ID: <199803172040.0AA26754@vespucci.advicom.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Don't know how the ham you were talking to used the "?" character, but it's possible he was using an old CW traffic handler's practice of sendint "?" just before repeating some piece of information.
"Name is Sam "?" Sam QTH is Opp "?" Opp Alabama."

Could hat have been it?

73,

Frank Emens, W4HFU, Huntsville, Alabama
femens@advicom.net

Date: Tue, 17 Mar 98 16:39:59 PST
From: gregoire@endor.com
To: Low power amateur radio discussion <qrp-1@Lehigh.EDU>
Subject: [6226] QSB, what to NOT do in a QSO
Message-ID: <Chameleon.980317165903.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Gang,

Has this ever happened to you?

Your in a QRP contest, a guy that you can barely hear
replies to your CQ , there is some QSB , real deep
fading, buy equally good high points too.

The guy tries to send you his info and instead of
just sending the needed info, he sends back your
own call sign first, then the needed info.

The QSB eats up all of the needed info and by
the time you ask for it again the guy sends your
own call sign back to you twice or three times,
and then the needed info is again eaten up in
the valley of the QSB.

ARRGH!!!

By the fifth time this happens , I am on my feet

SCREAMING at the radio, "I ALREADY KNOW MY OWN CALL SIGN

YOU @!#\$%^&*#

There , I feel much better now.
Even I have my moments.

So please please please P L E A S E, folks, do not send the other guy
back his own call sign over and over again.
He already knows it and he knows that he is in QSO with you too.
Just send the pertinent info before the QSB monster eats up your signal
again.

73

de AA1IK, Time the accursed enemy of man,
 cursed youth for going to slow
Ernie Gregoire and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

03/17/98 16:39:59

Date: Tue, 17 Mar 1998 17:24:09 EST
From: AC6JA <AC6JA@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [6227] SG-2020 Delivery Schedule Delayed, AGAIN!!!
Message-ID: <980bbe57.350ef80b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

well, just got off the phone with SGC again. i visited their website yesterday which was updated on March 16, 1998. they have removed their delivery schedule which had stated that all past orders were to start shipping on March 15(a sunday?) and that all new orders would go out after May 1st. well, seems that's changed AGAIN! their website now isn't mentioning ANYTHING about when the new units are to ship. but after calling them today on the phone, they are now stating that all past orders will start shipping within 60 DAYS, MAYBE! since this is at least the fourth extension they have announced, i wouldn't hold my breath and anticipate anytime before may or june! sorry guys, but i just got tired of waiting and cancelled my order. looks like the EleCraft K2 will be out before then anyways!!! anything's gotta be better than waiting day after day, week after week, month after month, ? after ?.
an SGC UN-customer,

Mike AC6JA/qrp

Date: Tue, 17 Mar 1998 22:24:15 -0800
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [6228] Re: QSB, what to NOT do in a QSO
Message-ID: <350F688F.3EE6@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yep, I've had it happen. On the second try I have even resorted to sending, "RST ONLY" (or whatever I need) to get only what I need. Often the inexperienced operator will get the message and send only what is needed. One value of having worked traffic nets is that you learn efficiency both in getting and sending fills. Foxhunts (and contests) are good experiences in this regard as well. Most QRP rigs have full QSK, which can facilitate getting fills. - 73, Harvey, N6MM.

Date: Tue, 17 Mar 1998 17:27:32 -0600
From: jmbrown@edge.net (JERRY BROWN)
To: qrp-l@Lehigh.EDU
Subject: [6229] 4/98 QST QRP trivia
Message-ID: <350F06E4.673E@edge.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone interested can check out p.66.

I have questions:

- 1- Did the circuit for the 100 mw "HI" cw beacon in Oscar-1 ever make a ham publication?
- 2- Did the circuit for Thor Heyerdahl's KON TIKI 5 watt rig ever make a ham publication? This was definitely before solid state.
- 3- Where can one find info on the Battle Creek Special?

72/73,

N4EO

Date: Tue, 17 Mar 1998 15:32:12 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: AC6JA <AC6JA@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6230] Re: SG-2020 Delivery Schedule Delayed, AGAIN!!!
Message-ID: <Pine.BSF.3.96.980317150830.13098B-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike and the Gang,

It is unfortunate that a company announces a hot, new product only to delay it's shipping again and again. Being on the development side of things, I've personally encountered, may be responsible for, this phenomenon. As they say, 'Stuff Happens', but it's often avoidable if folks could just be honest once in a while. Here's some insight.

My method for estimating the time a task requires is to make a reasonable guess at the length, and then double it. Most of the time, this estimate comes out right on the money. OTOH, Management, who is dealing with their own set of pressures and deadlines, finds my basic, non-doubled time estimate excessively long and reduces the period of performance. If Murphy took an extended vacation badger hunting, it just might be a realizable goal. In reality, we all know what happens. Not only that, it's a painful process for the developers who are supposed to be doing this because it's *fun*.

Not that my xtal ball has any better precognitive powers that the next person's S.W.A.G., I'll hazard a guess that the 2020 will be shipping in late summer. I'll also bet that the K2 won't be ready until then as well. Hey, bugs take time to iron out. These are complicated radios. I wouldn't want to be a unwitting Beta tester anyways...

Well, that's my \$2.0e-2 from my developer's perspective.

Bob - W3CD

On Tue, 17 Mar 1998, AC6JA wrote:

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> than waiting day after day, week after week, month after month, ? after ?.
> an SGC UN-customer,
>
> Mike AC6JA/qrp
>
>

Date: Tue, 17 Mar 1998 18:47:51 EST
From: kh6b@juno.com (Dean W Manley)
To: jmbrown@edge.net, qrp-1@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [6231] RE: 4/98 QST QRP trivia
Message-ID: <19980317.134701.10207.0.kh6b@juno.com>

Hello Jerry and group:
No comment on #1 and #2 below.
#3 BattleCreek Special could be reference to
the DXpedition antenna for 160 and 80 meters.
I believe it's described in the second edition
of the Low Band DX Handbook (ARRL) by
ON4UN.
Dean KH6B

From: jmbrown@edge.net (JERRY BROWN)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: 4/98 QST QRP trivia
Date: Tue, 17 Mar 1998 17:27:32 -0600
Message-ID: <350F06E4.673E@edge.net>

>Anyone interested can check out p.66.
>
>I have questions:
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>ham publication? This was definitely before solid state.
>
>3- Where can one find info on the Battle Creek Special?
>
>72/73,
>
>N4EO
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Mar 1998 16:53:39 -0700
From: "mike newbold" <newbold@cmn.net>
To: <qrp-l@Lehigh.EDU>
Subject: [6232] small key , more
Message-ID: <199803172356.QAA10855@yampa.cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

TE NE KE is by NE8KE Boyd Mason. I don't his url or email, but last
heard: address is 8297 cleveland, coopersville, mi, 49404. ph: 616)
837-7182. Seems i remember him in QST under new products maybe six mo.s
back. Almost forgot, the Ne Ke is also available in KIT form! for abt. \$20
. Base extra. The key really performs for those of us who like to operate
with a light touch. sometimes i like it better than my benchner. he also
has mobile version you can strap to your knee. maybe some body out there
has a picture or operating experience. these keys are very cool and fun to
operate, definitely small and light weight. catch a wave, mike K0Y0

End of QRP-L Digest 1032
